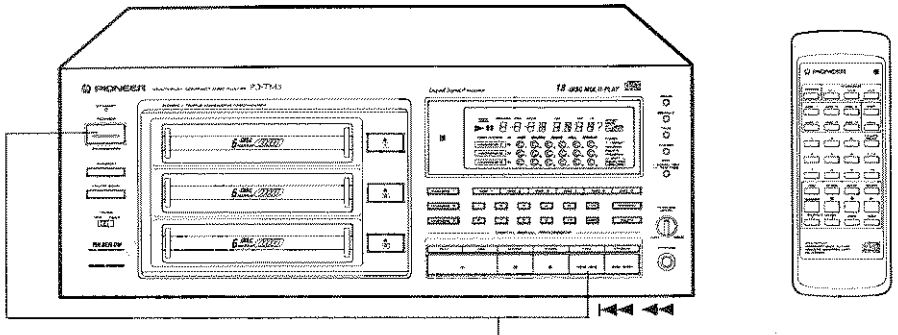
Operating Instructions

MULTI-PLAY COMPACT DISC PLAYER

PD-TM3

COMPACT disc DIGITAL AUDIO



DEMO MODE

Demo mode allows you to see variations of the display. To enter the demo mode, press POWER and then ⏮ ◀◀ within 1 second without inserting the magazine. To exit demo mode, insert the magazine or press any button.

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE

[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

LINE VOLTAGE SELECTOR SWITCH

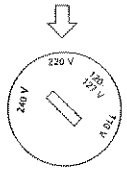
Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.

Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.

VOLTAGE SELECTOR



"This product complies with the Radio Interference requirements of the EC (European Community) Directive 87/308/EEC."

CAUTION: Be sure to use the shielded cables when connecting this equipment to other devices.

PIONEER®
The Art of Entertainment

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

The wires in this mains lead are coloured in accordance with the following code :

blue neutral
brown live

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted. The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor or the distribution panel should be provided with 13 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows :

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

NOTE
After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost, replacement fuse covers can be obtained from your dealer.

This appliance is rated at 13 amps. Only 13 amp fuses approved to B.S. 1362 A.S.T.A. should be used.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS – All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS – The operating instructions should be retained for future reference.

HEED WARNING – All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS – All operating and use instructions should be followed.

WATER AND MOISTURE – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION – The appliance should be installed in a stable locations.

WALL OR CEILING MOUNTING – The appliance should not be mounted to a wall or ceiling.

VENTILATION – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION – If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING – The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES – An outdoor antenna should be located away from power lines.

NONUSE PERIODS – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE – The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

SERVICING – The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING – If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC – NATIONAL ELECTRIC CODE

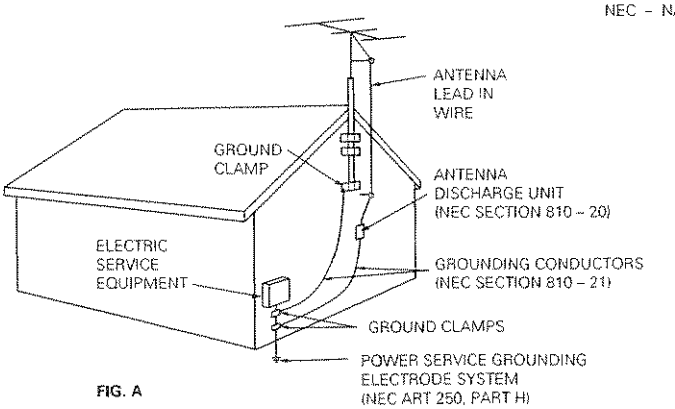


FIG. A

[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appears on your player.

Location: rear of the player

[FOR U.S. MODEL]
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion-and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

[For Canadian model]

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

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POWER-CORD CAUTION

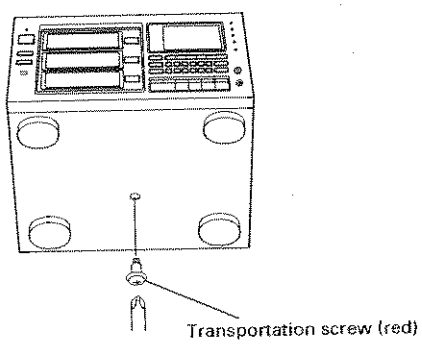
Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

TRANSPORTATION SCREW

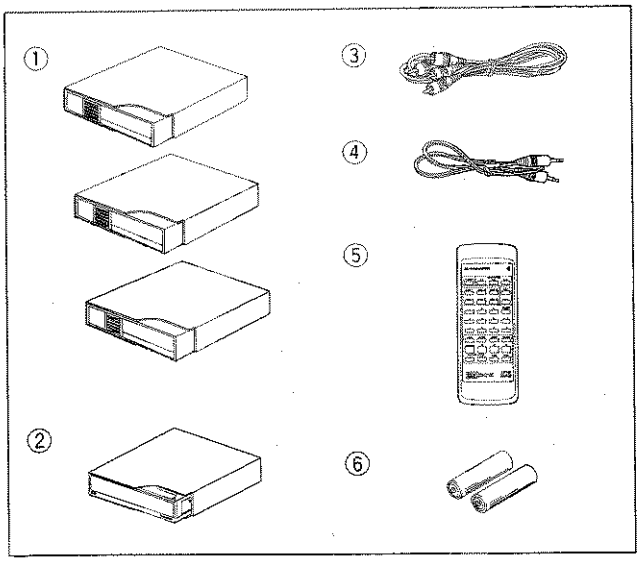
In order to protect the inside of this unit from the vibration and shocks during transportation, the internal mechanism is fixed with the transportation screw.
Before using the player, remove the (red) transportation screw located on the bottom panel.
If this unit is placed with top panel down and the screw is removed, the internal mechanism will fall. Be sure to place the unit with rear panel or side panel down and remove the screw.

Retain this screw as it will be necessary when the unit is to be transported.

- When re-transporting this unit in the future, set the unit to demo mode and then tighten the transportation screw within 15 seconds.
  Refer to the front cover for details on demo mode.
  When tightening the screw, place the unit with rear panel or side panel down.

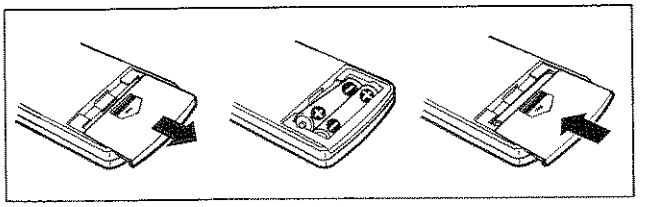


CONFIRM SUPPLIED ACCESSORIES



① 6-Compact Disc Magazine x 3
(Called magazine in the explanatory text.)
The supplied 6-Compact Disc Magazine is only for 12 cm (5-inch) discs.
② Single-Compact Disc Magazine x 1 (for multi-voltage and Australian models)
(Called single-disc magazine in the explanatory text.)
The supplied Single-Compact Disc Magazine is applied to an 8 cm disc or 12 cm disc.
③ Output cable x 1
④ Control cable x 1 (Canadian model only)
⑤ Remote control unit x 1
⑥ AAA/R03 dry cell batteries x 2

PUT BATTERIES INTO THE REMOTE CONTROL UNIT



Open the lid of the battery compartment on the rear of the remote control unit, and insert the batteries, taking care to align the (+) and (–) polarities correctly.

NOTES:

- *In order to prevent battery leakage, remove the batteries when not using the remote control unit for an extended period (one month or more). If leakage occurs, carefully wipe away any battery fluid inside the compartment, and replace the batteries with new ones.*
- *Do not allow books or other objects to rest on top of the remote control unit, since the buttons may be depressed, causing faster exhaustion of the batteries.*

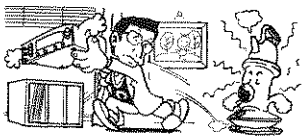
Incorrect use of batteries may cause leakage or rupture.
Always be sure to follow these guidelines:

A. Always insert batteries into the battery compartment correctly matching the positive ⊕ and negative ⊖ polarities, as shown by the display inside the compartment.
B. Never mix new and used batteries.
C. Batteries of the same size may have different voltages, depending on brand. Do not mix different brands of batteries.

CAUTIONS REGARDING HANDLING

Location

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.
Do not install the player in a location which is exposed to direct rays of the sun, or near stoves or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may also result in malfunction or accident. (Avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)



Precautions regarding installation

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment, may cause noise or degradation of the picture.
- Such noise may be particularly noticeable when an indoor antenna is used. In such cases, make use of an outdoor antenna, or turn off power to the compact disc player.
- Please place this unit on a level surface.

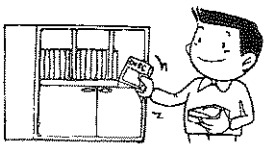
Cleaning the player and the magazine

To clean the PLAYER and the MAGAZINE wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

Storing discs

(Storing without using the 6-disc magazine)

- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars, since the seat of a car in direct sunlight can become unbelievably hot.
- Always read and abide by the precautionary notes listed on disc labels.
- When storing the disc, do not leave the disc in the single-disc magazine.

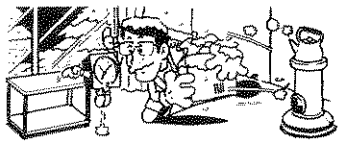


CD lens cleaner

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, ask your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.

Condensation

When this unit is brought into a warm room from previously cold surroundings or when the room temperature rises sharply, condensation may form inside, and the unit may not be able to attain its full performance. If this occurs, allow the unit to stand for about an hour or raise the room temperature gradually.

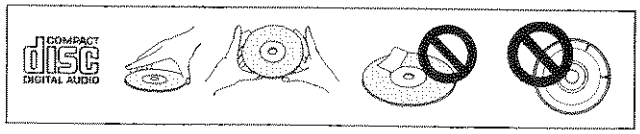


Cleaning and handling compact discs

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality. Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer periphery.

- If a disc becomes very dirty, dip a soft cloth in water, and after wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft, dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents, since damage to the disc surface may result.

- With this player, use discs which display the mark shown below. (Optical audio digital discs.)
- When holding discs, do not touch their signal surfaces. Hold by the edges, or by one edge and the center hold.
- Do not affix gummed labels or tape to the label surfaces. Also, do not scratch or damage the label.
- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

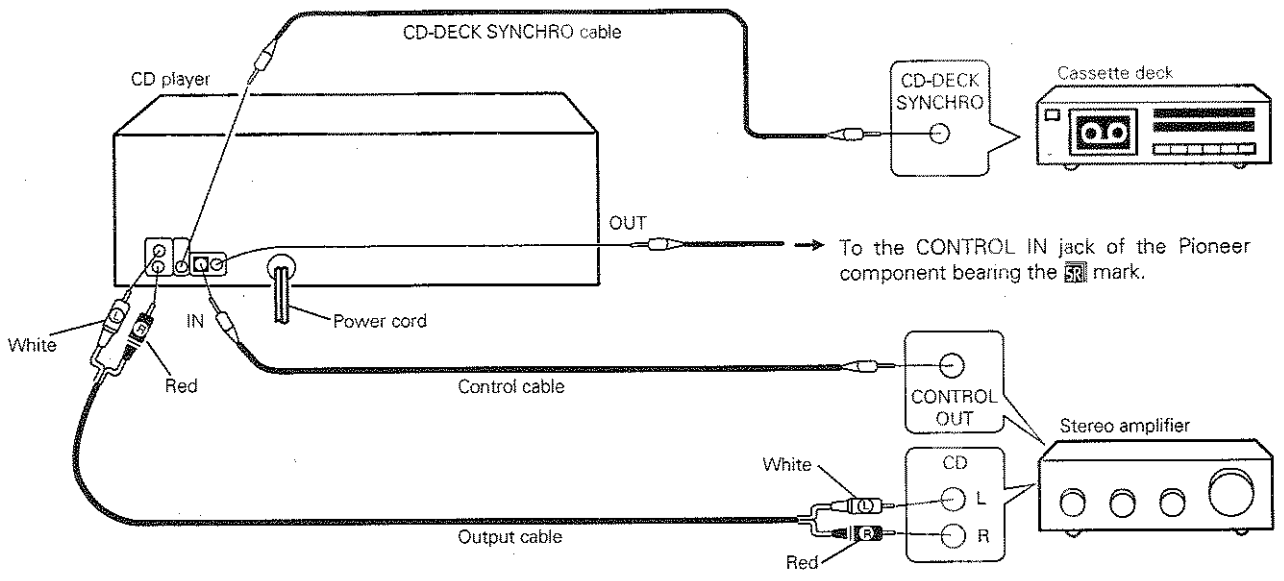


NOTES:

- *In order to play an 8-cm (3-inch) CD you will need a special Multi-Play Magazine (JD-M108) which is sold separately. Be sure to read thoroughly the Operating Instructions before using it.*
- *8-cm CD Adaptors*
  It is possible that even an adaptor which meets recommended standard CD specifications will not be usable with the CD player. It is recommended that the special Multi-Play Magazine (JD-M108) be used.
- *Never load an 8-cm CD or its adaptor into a standard 12-cm magazine. This may seriously damage the CD player.*

CONNECTIONS

- Make sure that all of the components are turned off before making connections.



Making connections

1. Connect the OUTPUT jacks of this unit to the input jacks (CD or AUX) of the amplifier. Make sure that the white plugs are connected to the left (L) jacks and the red plugs to the right (R) jacks.
- Be sure not to connect this unit to the amplifier's PHONO jacks, as sound will be distorted and normal playback will not be possible.

2. Connect the power cord to a household AC wall outlet or an AC outlet on your amplifier.
- Make sure plugs are inserted fully into the jacks and wall outlet.

CD-Deck synchro function

If you have a Pioneer cassette deck provided with the CD-Deck synchro function, connect the CD-DECK SYNCHRO jacks of the CD player and cassette deck. With this function, synchro recording can be carried out between player and deck.

- For details on connections and operation, refer to the instruction manual supplied with the cassette deck.
- The CD-DECK SYNCHRO cable is not supplied with the CD player.

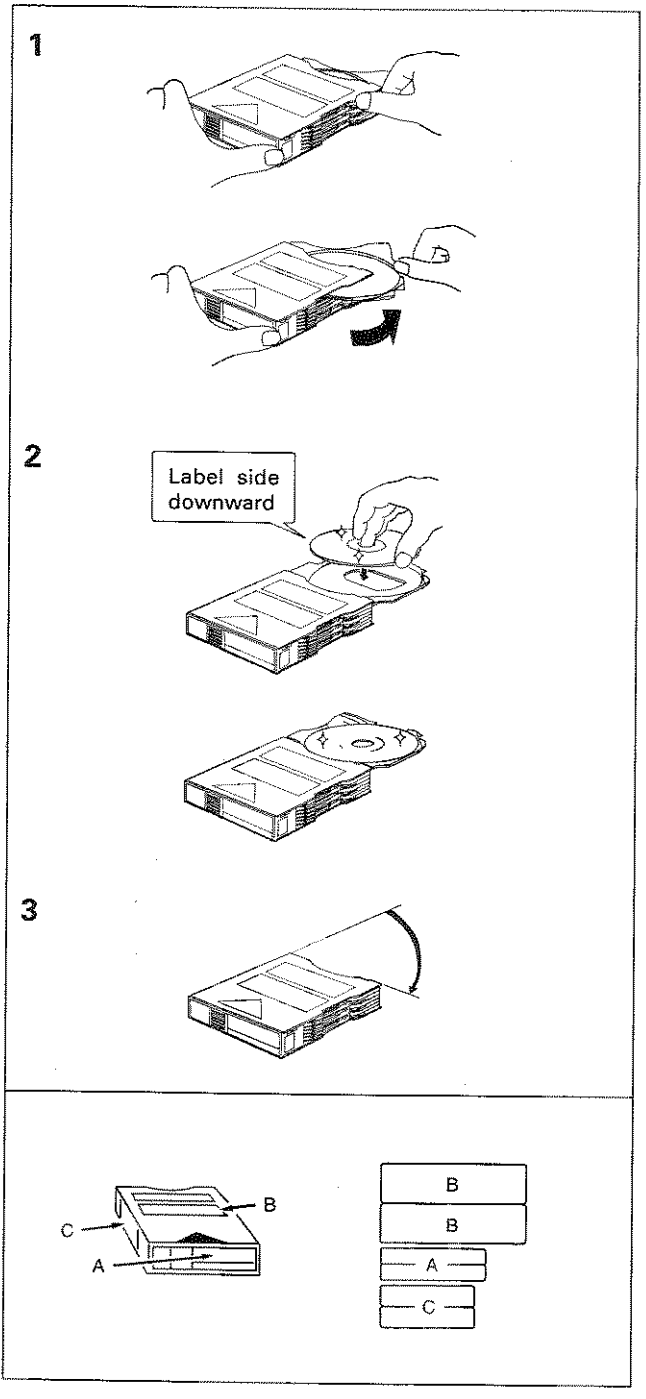
System remote control with a Pioneer stereo amplifier that has the SR mark

When a Pioneer stereo amplifier bearing the SR mark is used, connect the CONTROL IN jack on the rear panel of the CD player to the CONTROL OUT jack of the amplifier. This will enable the CD player to be controlled using the remote control unit supplied with the stereo amplifier. If you do not plan to use this feature, it is not necessary to connect CONTROL IN/OUT jacks.

- The control cable is supplied with the CD player.
- The remote control unit supplied with the amplifier can be used to control Play, Stop, Pause, Track/Disc Search and Disc Change operations.
- For instructions regarding connections and operation, refer to the operating instruction manual provided with your stereo amplifier.

NOTES:

- *When a control cable is connected to the player's CONTROL IN jack, direct control of the player with the remote control unit is not possible. Operate the player with the remote control unit by aiming it at the amplifier.*
- *Be sure to connect both of the control cable's plugs securely to the CONTROL IN and CONTROL OUT terminals. Do not connect only one end of the cable.*
- *Be sure to turn off the power of the amplifier before connecting the power cord and output cable.*



INSERT DISCS INTO THE 6-DISC MAGAZINE

Insert any discs which you may have into the supplied magazine. Up to six discs may be inserted. The numbering of the discs begins with 1 at the topmost tray, and then increases in order downwards to 6 for the lowest tray. The magazine has a window through which the pulled-out disc tray can be checked. Even during playback, the number of the disc being played back can be checked through this window.

1. **Pull out only one disc tray.**
2. **Position discs with the label side downward.**
3. **Put the disc tray back as it was originally.**
4. **Insert other discs by repeating steps 1 to 3.**

CAUTION:

- *Please make sure you only pull out one disc tray at a time. (When a disc tray has been pulled out, do not pull out other disc trays.)*
- *If discs are inserted label side upward, it will not be possible for them to be played. Please make sure you insert them with the label side downward.*
- *Objects other than discs (song cards, explanations of disc contents, etc.), must never be inserted into the disc trays.*
- *Do not touch the playing surface of discs (iridescent side) with hands or fingers.*

For U.S. customers only

You may purchase additional Pioneer six-compact-disc magazines from your dealer. If however, they are not available at your dealer in the United States, you may order from:

PIONEER ELECTRONICS SERVICE, INC.
2265 East 220th Street
P.O. Box 1760, Long Beach
CA. 90801-1760
U.S.A.
Phone #(800)228-7221

AFFIXING LABELS TO THE 6-DISC MAGAZINE

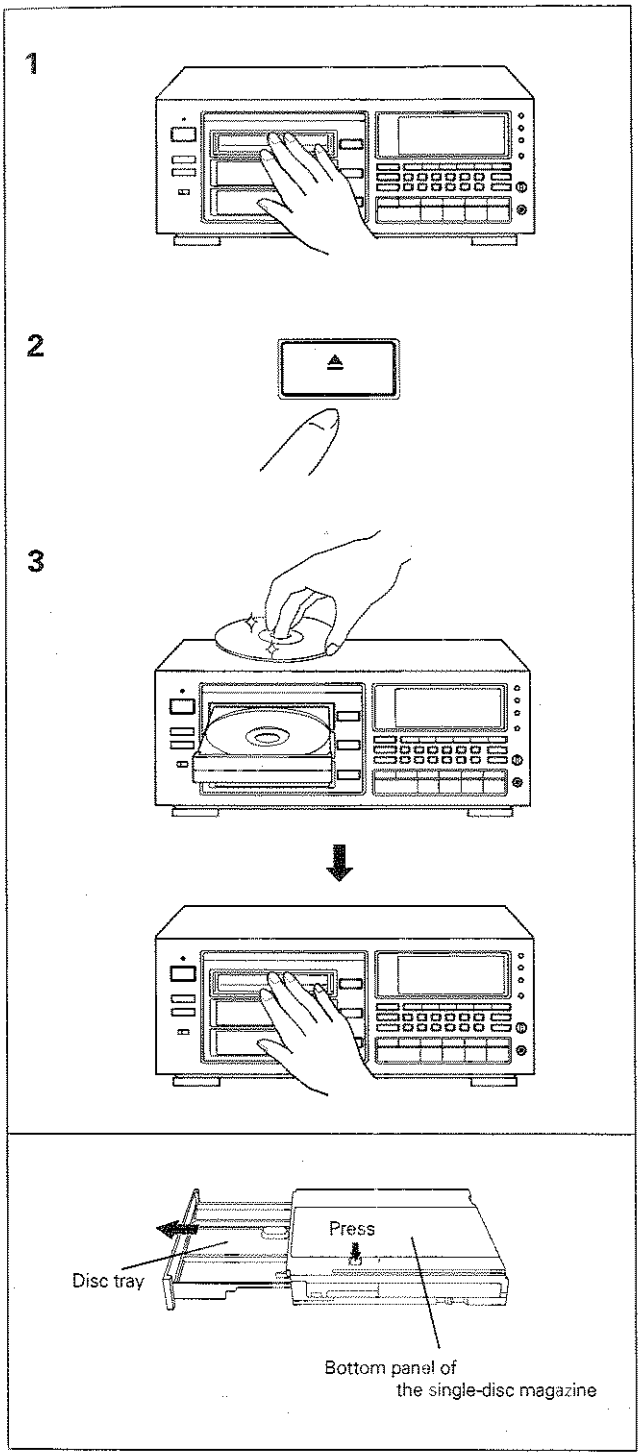
- Always attach the labels provided in the designated locations. Correct operation may not be possible if labels or tape are attached in other locations.
- The following are convenient ways of using labels:
  A: For titles
  B: For disc names
  C: For classification
- Do not attach labels on top of other labels.

Additional magazines identical to the one supplied are available as options (*JD-M100, JD-M200, JD-M300, JD-M300TP, JD-M108, JD-M308).
Please use them to make your own disc library, with separate magazines for each artist or genre.

* JD-M100, JD-M200, JD-M300, JD-M300TP ..... Magazine for 12-cm (5-inch) discs
JD-M108, JD-M308 ..... Magazine for 8-cm (3-inch) discs

NOTE:

Both 12-cm (5-inch) discs and 8-cm (3-inch) discs cannot be installed together in a magazine.

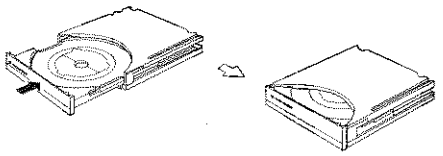


LOADING A DISC INTO THE SINGLE-DISC MAGAZINE (for multi-voltage and Australian models only)

1 Insert the single-disc magazine without a disc, pushing it in until a click sound is heard.
2 Press EJECT.
3 Place a disc with the label side down and push in the disc tray until a click sound is heard.

TO REMOVE THE DISC FROM THE SINGLE-DISC MAGAZINE

1. After ejecting the disc tray, remove the disc and put it into its case.
2. Remove the magazine by pulling the disc tray toward you and push the disc tray into the magazine.

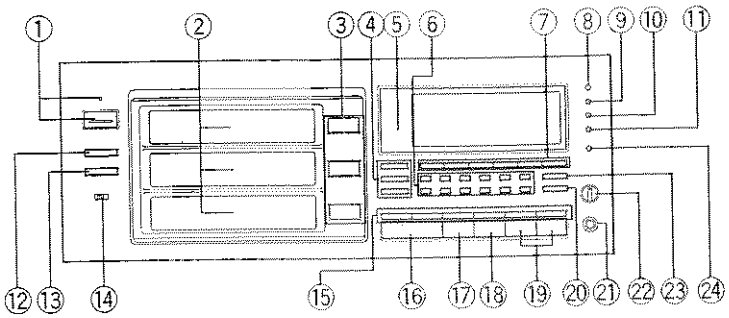


If a disc is still in magazine.
Press the hook on the bottom panel of the single-disc magazine. The disc tray will come out.
Be careful not to drop the disc when the disc tray comes out.

NOTE:
Explanations are given for operations when using the 6-disc magazine, but the operations are the same when using the single-disc magazine. The only difference is that the DISC number buttons and Disc Hi-Lite scan functions cannot be used.

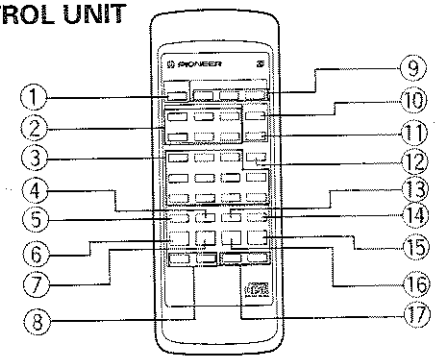
NAMES AND FUNCTIONS OF PARTS

FRONT PANEL



① **POWER STANDBY/ON switch and STANDBY indicator**
② **Magazine insertion slots**
③ **Eject buttons (⏏) (1 – 3)**
④ **MAGAZINE buttons (MAGAZINE 1 – MAGAZINE 3)**
⑤ **Remote sensor**
Receives the signal from the remote control unit.
⑥ **Digit buttons (1-10, +10, ≧20)**
⑦ **DISC number buttons (1 – 6)**
⑧ **ADLC button**
⑨ **REPEAT button**
⑩ **TIME button**
⑪ **FADER button**
⑫ **RANDOM button**
⑬ **HI-LITE SCAN button**
⑭ **TIMER switch (OFF/PLAY)**
⑮ **DIGITAL SIGNAL PROCESSOR buttons (FLAT/JAZZ/CHURCH/DANCE/HALL/ STADIUM)**
⑯ **Play button (▶)**
⑰ **Pause button (⏸)**
⑱ **Stop button (■)**
⑲ **Track/Manual search buttons (⏮ ◀◀/▶▶ ⏭)**
⑳ **DELETE button**
㉑ **Headphones jack (PHONES)**
㉒ **Headphones volume (PHONES LEVEL)**
㉓ **PROGRAM button**
㉔ **EDIT button (• COMPU PGM/ • • TIME FADE)**

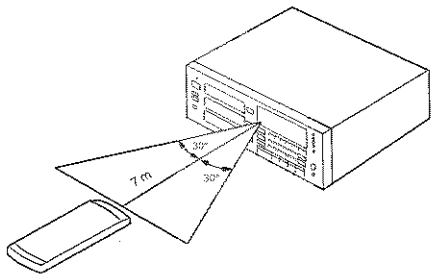
REMOTE CONTROL UNIT



Remote control buttons with the same names or marks as buttons on the front panel of the player control the same operations as the corresponding front panel buttons.

① **POWER button**
② **DISC number buttons (1 - 6)**
③ **Digit buttons (1 - 10, >10)**
④ **CHECK button**
⑤ **PGM button**
⑥ **RANDOM button**
⑦ **Stop button (■)**
⑧ **OUTPUT LEVEL buttons (–/+)**
⑨ **MAGAZINE buttons (M1 - M3)**
⑩ **DSP button**
⑪ **ADLC button**

Ⓐ

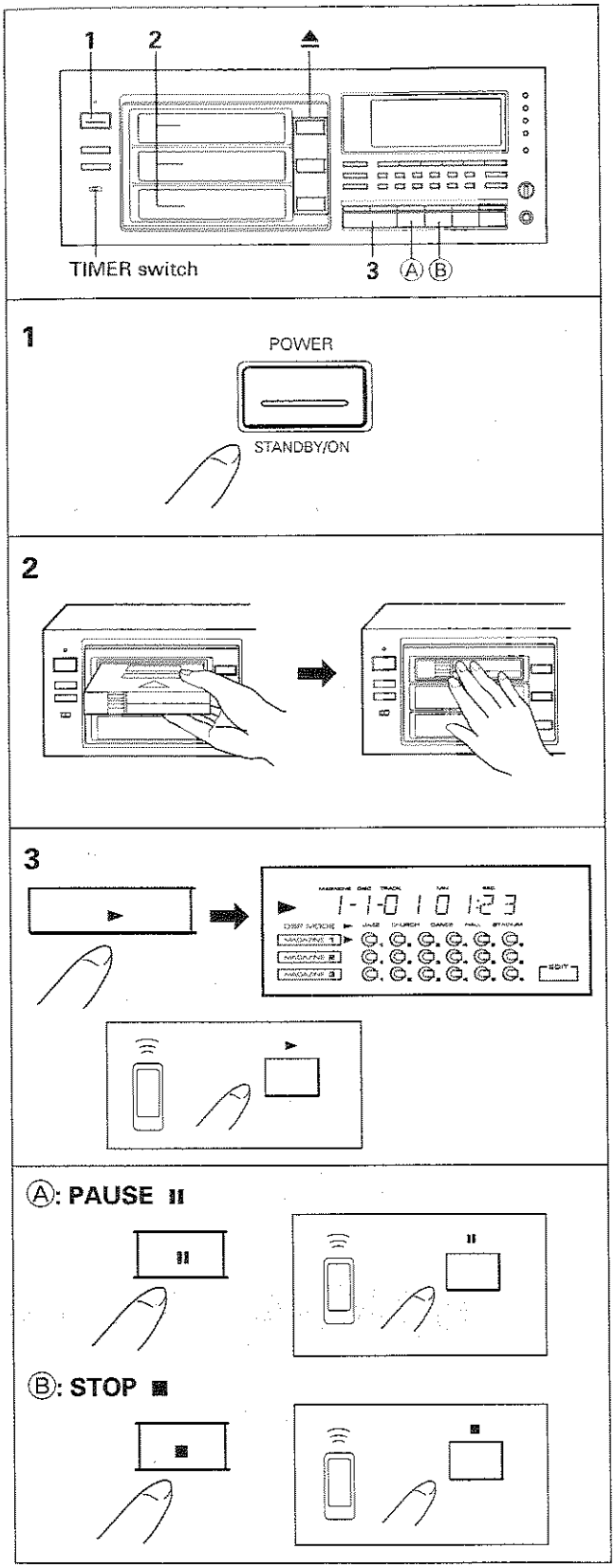


⑫ **HI-LITE SCAN button**
⑬ **CLEAR button**
⑭ **DELETE button**
⑮ **Play button (▶)**
⑯ **Pause button (⏸)**
⑰ **Track search buttons (⏮/⏭)**

Ⓐ REMOTE CONTROL OPERATIONS

When operating the remote control unit, point the unit's infrared signal transmitter at the remote control receiver (REMOTE SENSOR) on the front panel of the player. The remote control unit can be used within a range of about 7 meters (23 feet) from the remote sensor, and within angles of up to about 30 degrees.

NOTE:
If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.



Operations indicated by the [ ] mark are performed with the remote control unit.

To play a compact disc

1 Turn on the power to the player.
- Be sure to set the TIMER switch to the OFF position.

2 Insert a magazine, pushing it in until a click sound is heard.
- When the power is turned off, inserting a magazine automatically turns on the power (Auto Power On function).

3 Press ► to start playback.

Ⓐ To pause playback temporarily:

Press ❚❚. The ❚❚ indicator lights and playback is paused at that point. Pressing ❚❚ again or ► resumes playback from the position where pause mode was entered.

Ⓑ To stop playback:

Press ■.

NOTE:

This unit automatically adjusts the circuit according to each disc to obtain the optimal signal.
Adjusting signal is sometimes heard from the unit.

To take out the magazine

Press ≜, remove the magazine, and then press POWER to turn off the power.
- When ≜ is pressed even in power off (standby) mode, the magazine is ejected (Power Down Eject function).

Cautions regarding handling of magazines

- When inserting a magazine into the player, make sure that the direction of insertion is correct.
- After use, store in the case provided. Do not place in locations subject to high temperatures or exposed to direct sunlight.
- Do not take magazines apart.
- Be careful not to drop, or hit magazines against things. Also do not apply strong force to trays which have been withdrawn.
- Application of benzene, thinner, insecticide or other volatile liquids to a magazine may damage the surface, so keep magazines away from such substances.

CAUTION:

Do not unplug the power cord or turn off the power with an audio timer during playback, as this could result in damage to the disc.

Continue

Timer playback

By using a commercially available audio timer, it is possible to initiate playback at any time automatically.

1. Insert a magazine into the magazine slot.
2. Set the time at which you wish playback to begin.
3. Set the TIMER switch to PLAY.
   The timer will supply power to both the amplifier and the player at the preset time, turning all the components on and initiating the playback mode. Playback starts from the first track on the first disc.

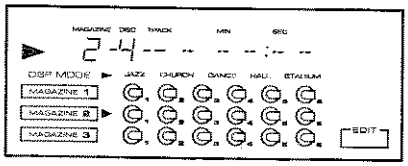
NOTE:

Except for timer playback, be sure to set the TIMER switch to OFF.

Last address playback

When ■ is pressed or the power is turned off, the player memorizes the point at which playback was stopped. Therefore, playback can be resumed at that point.

1. When ■ is pressed during normal playback, the player enters standby mode for Last address playback. (Even when the power is turned off, the player enters this mode.)



2. Press ►. Playback starts with fade-in from the nearby point at which playback was stopped. (When the power is turned off, turn on the power, and then press ►.)

NOTES:

- *If the play stops at the beginning or end of the track, the play sometimes starts from the different track.*
- *If the program operation or edit operation is performed, or I◄◄ ◄◄ or ►► ►►I is pressed, the standby mode for Last address playback is canceled.*

To cancel standby mode for Last address playback:

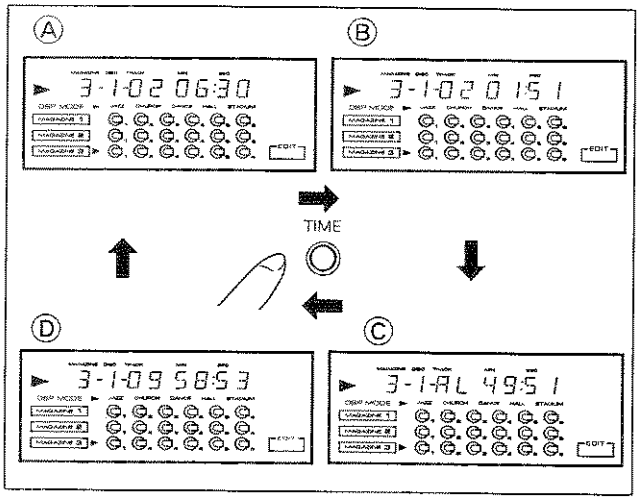
Press ■ twice. The player returns to the beginning of the first track on the disc at which playback was stopped.

When ■ is pressed twice and then ■ is pressed again, the player returns to the beginning of the first track on the first disc in the magazine.

Time display

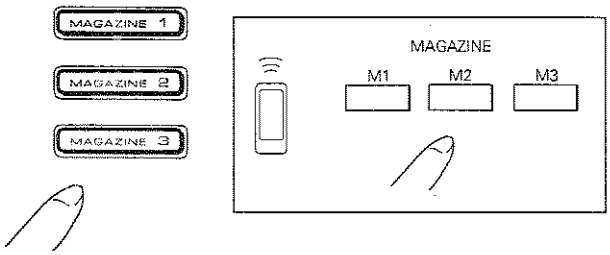
During playback, pressing TIME changes the time display in the following sequence: Ⓐ Elapsed playback time of the track being played → Ⓑ Remaining playback time of the track being played → Ⓒ Remaining playback time from the playing point to the end of the disc (Disc remain) → Ⓓ Total number of tracks and total playback time of the disc.

- If TIME is pressed during stop mode, the total playback time of the disc will not be displayed.
- With track No. 24 or more, remaining playback time of the track Ⓑ cannot be displayed.
- During program playback, random playback, delete playback or delete random playback, remaining playback time from the playing point to the end of the disc Ⓒ cannot be displayed.
- During Time Fade playback, remaining playback time from the playing point to the end of the Time Fade playback can be displayed with the disc remain setting Ⓒ.
- During Program playback, the number of program steps can be displayed with the total playback time setting Ⓓ.



Magazine search - To search for a particular magazine

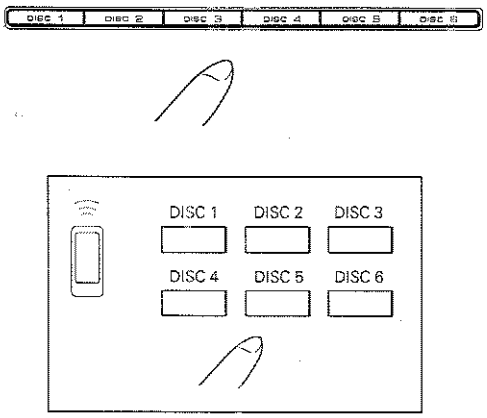
During playback or stop mode



Playback starts from the beginning of a disc in the specified magazine.

Disc search - To search for a particular disc

During playback or stop mode



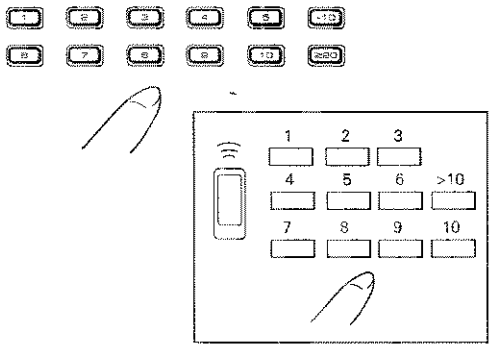
The player searches for the specified disc and playback starts from the beginning of that disc.

NOTE:

If the disc number of a tray which does not contain a disc (disc symbol indicator is not lit) is selected, playback cannot start from that disc number.

Track search - To search for a particular track

During playback or stop mode



To search for track No. from 1 to 10, simply press the corresponding Digit buttons ([1] – [10]). To search for track No. 11 or above, use [+10] (or [>10]). To search for track No. 20 or above, use [≧20].

Example

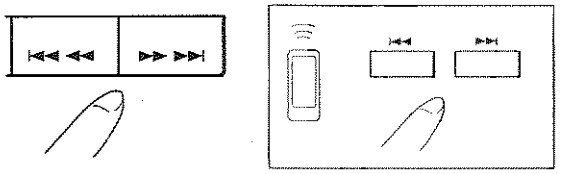
To enter track No. 17: [+10], [7] (or [>10], [1], [7])

To enter track No. 23: [≧20], [2], [3] (or [>10], [2], [3])

To enter track No. 30: [≧20], [3], [10] (or [>10], [3], [10])

- When entering 20 or above, [10] functions as 0.
- When [+10] (or [>10]) or [≧20] is pressed, the digit button to be next entered should be pressed within 5 seconds.

During playback or pause mode



When ►► ►►I (or ►►I) is pressed once or a number of times, playback is advanced to the beginning of a track located after the track being played. The position of the located track corresponds to the number of times the button is pressed.

When I◄◄ ◄◄ (or I◄◄) is pressed once, playback returns to the beginning of the track being played. When this button is pressed more than once, playback is returned to a track located before the track being played. The position of the located track corresponds to the number of times the button is pressed.

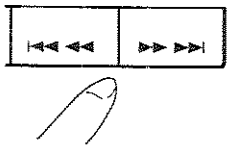
NOTES:

- *During normal playback, Track Search can be carried out on one disc only.*
- *During program playback, I◄◄ ◄◄ (or I◄◄) or ►► ►►I (or ►►I) can be used to select the programmed track.*

Continue

Manual search - To search for a particular passage

During playback or pause mode

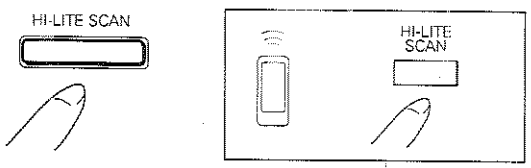


While ►► ►►| is kept pressed, playback rapidly advances toward the end of the disc. When playback reaches the end of the disc, the player enters pause mode and "END" is displayed. While |◄◄ ◄◄ is kept pressed, playback rapidly reverses toward the beginning of the disc.
When the desired passage is reached, release ►► ►►| or |◄◄ ◄◄. The player enters original mode (playback or pause) where ►► ►►| or |◄◄ ◄◄ is released.

- During normal playback, Manual Search can be carried out on one disc only.
- During program playback, Manual Search can be carried out in one program step only.

Magazine Hi-Lite Scan

During stop mode



When HI-LITE SCAN is pressed once during stop mode, playback starts from a point 1 minute after the beginning of the first track, and the first track of each disc is played for about 10 seconds. The DISC SCAN indicator is lit during Disc Scan mode. After the first tracks of all discs are scanned, the player enters stop mode.

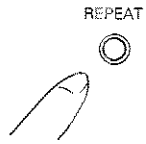
When HI-LITE SCAN is pressed twice during stop mode, playback starts from a point 1 minute after the beginning of the track, and each track is played for about 10 seconds. The SCAN indicator is lit during Track Scan mode. After all tracks of all discs are scanned, the player enters stop mode.

To exit Magazine Hi-Lite Scan mode
Press ■, ►, MAGAZINE buttons (1-3), DISC number buttons (DISC1 - DISC6) or Digit buttons (1-10, +10, ≧20). When ► is pressed, normal playback starts from the current point. When the DISC number button or the digit button is pressed, the selected disc or track is played from the beginning.

NOTES:

- *Hi-Lite Scan can be carried out from the desired elapsed time of the track. During playback, press HI-LITE SCAN at the point you want to start Hi-Lite Scan playback. The player memorizes the minute and second of the point and Track Hi-Lite Scan playback is carried out from the memorized minute and second on each track.*
- *Each time HI-LITE SCAN is pressed, the mode switches between Disc Scan and Track Scan.*
- *Programming of only desired tracks is possible during Track Hi-Lite Scan playback. See "Direct program" on page 16.*
- *During Track Hi-Lite Scan playback, you can skip to the desired track with |◄◄ ◄◄ or ►► ►►|.*
- *When REPEAT is pressed, Hi-Lite Scan playback will be repeated.*
- *When playback time of a track is less than one minute or is shorter than memorized time, Hi-Lite Scan playback is carried out from the beginning of the track for about 10 seconds.*
  When playback time of a track is less than 10 seconds, the track is played from the beginning to the end.

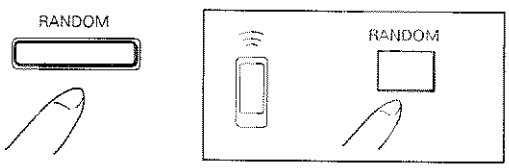
To repeat playback (repeat play)



To repeatedly play the displayed track, press REPEAT once. The 1– REPEAT indicator lights. REPEAT can be pressed in any playback mode.
To repeatedly play all tracks on all of the discs in normal playback mode or in the specified playback mode (Program playback, Delete program playback, Random playback or Delete random playback), press REPEAT twice. The REPEAT indicator lights.

- To exit repeat mode, press REPEAT so that the 1– REPEAT or REPEAT indicator goes off.
- When the time fade edit operation is performed, the repeat playback cannot be carried out.
- Single repeat can not be carried out in HI-LITE SCAN mode.

Random playback - To play all tracks in random order

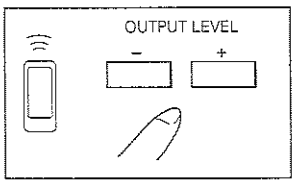


Press RANDOM. The RANDOM indicator lights and all tracks on all discs are played in a random order.
After all of the tracks are played, the player enters stop mode.
To play tracks other than the deleted tracks in a random order, press RANDOM after carrying out the Delete Program procedure. See the "Delete Program Playback" on page 18.

Continuous Random function
When ■ is pressed during random playback or delete random playback, the player enters standby mode for Continuous Random playback. Pressing ► or RANDOM resumes random playback. Remain tracks are played in a random order.

- When ■ is pressed again during standby mode for Continuous Random playback, Continuous Random mode is canceled.
- If the magazine is in the player, remain tracks will be stored in memory even if the power is turned off.

Adjusting the sound volume



Press OUTPUT LEVEL "–" or "+" to adjust the output level. The output level can be adjusted between 0 dB and –25 dB in steps of 1 dB.

- The ATT display shows the selected level.
- The output level at the OUTPUT jacks and PHONES jack will be adjusted simultaneously.
- The setting of OUTPUT LEVEL is not erased even when the power is turned off.

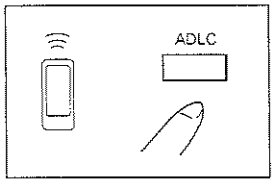
NOTE:

The setting of OUTPUT LEVEL are canceled when ADLC is turned on. When ADLC is turned off, the output level returns to the setting of OUTPUT LEVEL.

ADLC (Automatic Digital Level Controller)

When the difference of recording level between discs is noticeable, the volume level should be adjusted for each disc, especially during program playback or random playback whose tracks are selected between 2 discs or more. In such cases, pressing ADLC automatically sets the output level to the proper level. When ADLC is turned on, the ADLC indicator lights.

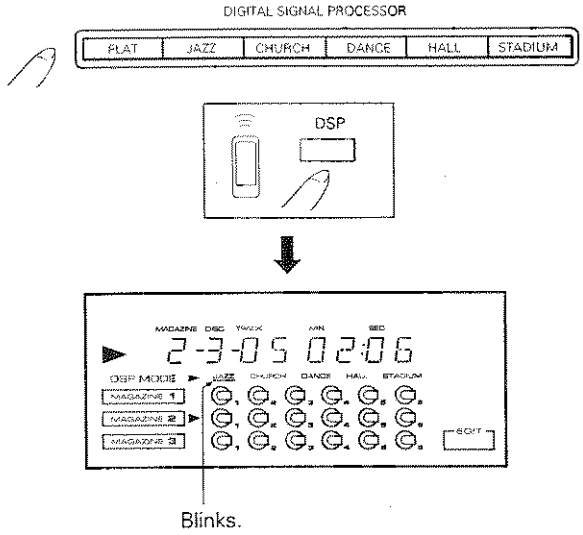
- To turn off ADLC, press ADLC so that the ADLC indicator goes off.
- With some selections, sound becomes unnatural. In such cases, turn off ADLC.



DSP (Digital Signal Processor) function

The built-in digital signal processor allows you to obtain various sound fields.

During stop mode or playback mode



Refer to the description of each DSP mode and select a desired DSP mode with DIGITAL SIGNAL PROCESSOR on the front panel or DSP on the remote control unit. Each time DSP on the remote control unit is pressed, the DSP mode changes in the following order:

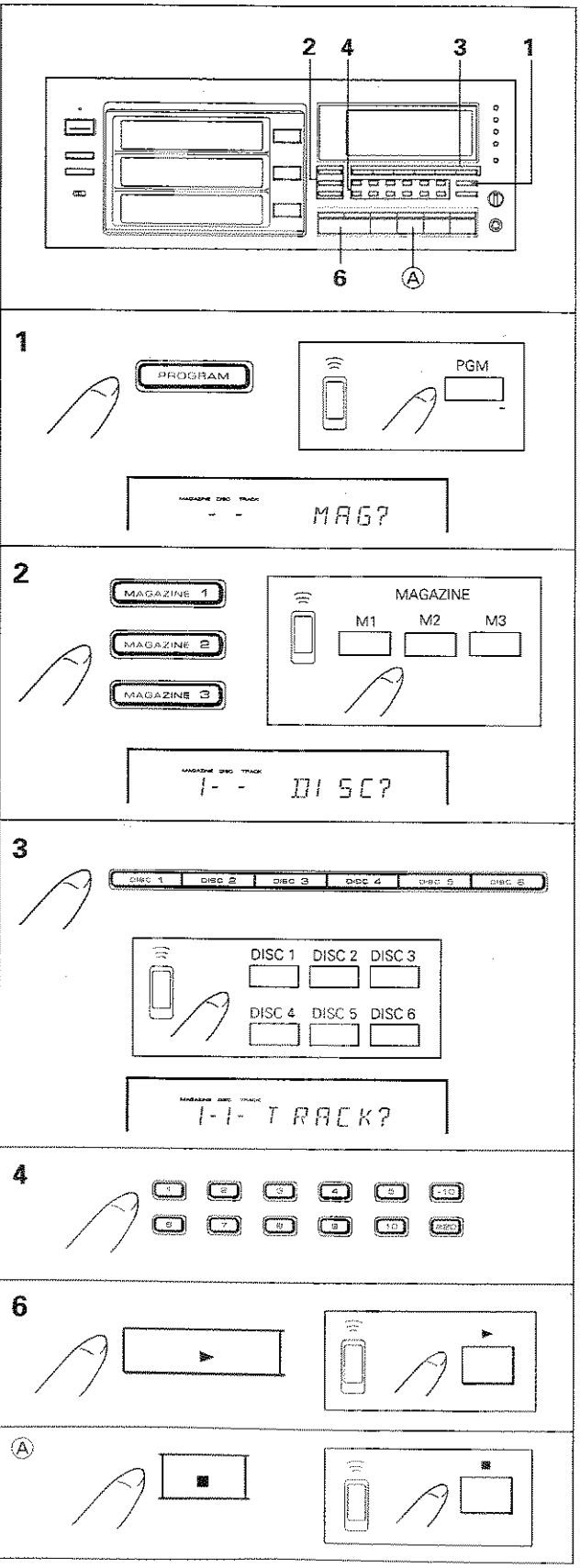
FLAT → JAZZ → CHURCH → DANCE → HALL → STADIUM → FLAT

When the mode "FLAT" is selected, DSP MODE indicator blinks. When the mode other than "FLAT" is selected, bar indicator under selected DSP mode and DSP MODE indicator blink.

FLAT: No effect
JAZZ: Reproduces a "live house" atmosphere. Effective for playing jazz music with boosted middle frequencies.
CHURCH: Reproduces a "church made of wood" atmosphere. Effective for playing baroque music, choral group, etc.
DANCE: Reproduces a dynamic sound. Effective for playing disco music, pops, rock music, etc. with boosted high and low frequencies.
HALL: Reproduces a "concert hall" atmosphere. Echo and reverberation sounds are relatively long. Effective for playing classic orchestra music.
STADIUM: Reproduces the acoustics of an outdoor stadium. Effective for playing a program source recorded on an outdoor stage.

- In DSP mode, the sound may be distorted depending on the connected amplifier. In such cases, adjust the volume with OUTPUT LEVEL.

TO PLAY ONLY DESIRED TRACKS/DISCS



Program playback - To program tracks/discs in desired order

Only in the stop mode, Disc programming is possible.
Also, the dialog appears in step to facilitate programming.
Track programming is possible in the stop or playback mode. However, ⏮ ◀◀ or ▶▶ ⏭ cannot be used to select tracks during playback mode. Select stop mode or playback mode before programming.

1 **Press PROGRAM.**
- The PROGRAM indicator lights, and "MAG ?" (Manazine) appears on the display for about 10 seconds.

2 **Press MAGAZINE which contains the disc to be programmed.**
- When MAGAZINE is pressed, "DISC ?" appears on the display for about 10 seconds.

3 **Press the DISC number button which contains the track to be programmed.**
To program entire discs, enter the desired disc numbers with the DISC number buttons and go to step 5.
- When the DISC number button is pressed, "AL" (all tracks) appears on the display. Then, "TRACK ?" is displayed for about 10 seconds.

4 **Enter the track No. to be programmed with the Digit buttons.**
Only in the stop mode, you can use ⏮ ◀◀ or ▶▶ ⏭. After selecting the track No., be sure to press PROGRAM.
About 2 seconds have passed since ⏮ ◀◀ or ▶▶ ⏭ is pressed, the track No. to be programmed is automatically entered.

5 **Repeat steps 2 through 4 to program other tracks.**

6 **Press ▶.**
The tracks are played in the programmed order. When all programmed tracks have been played, the player enters stop mode.

Ⓐ **To stop Program playback, press ■.**

- Programs containing up to 48 steps can be created.
- When 48 steps are programmed, "MAG?", "DISC?", or "TRACK?" does not appear on the display.
- To go to the previous or next step in a program, press ⏮ ◀◀ or ▶▶ ⏭.
- To enter track No. 11 or above with the Digit buttons, see "Track Search" on page 13.
- Each time a selection is programmed, the display will show the programmed number.
- If the magazine is in the player, the program contents will not be erased even if the power is turned off.

Direct program

During normal playback or Magazine Hi-Lite Scan playback, the track being played can be programmed.

1. Press PROGRAM to enter the program mode.
2. To search for a desired track during normal playback, it is possible to skip to succeeding tracks by pressing ⏮ ◀◀ or ▶▶ ⏭. Also, Magazine Hi-Lite Scan function can be used to move from track to track through the disc.
3. If you wish to program the track currently playing, press PROGRAM while the track is playing.

- Direct programming is not possible during program playback.

Programming a pause

Inserting a pause in your program can be very useful when carrying out recording. Press ▮▮ instead of entering a track number. "PA" appears on the display panel.

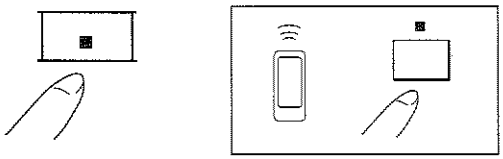
- For example, when recording on both sides of a cassette tape, if you program a pause after the last track to be recorded on the first side, program playback will pause at that point to allow you to switch tape sides. To resume program playback after the player enters pause mode, press ▮▮.

NOTES:

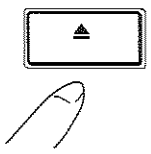
- *A pause can be programmed only when the program procedure is performed under stop mode.*
- *A pause cannot be programmed at the beginning of a program (P-01), nor can two pauses be programmed one after the other.*
- *A pause inserted in a program is counted as one step.*
- *If a pause is programmed as the last step of a program, the player will not enter the pause mode.*

To clear all of the program contents

Ⓐ :



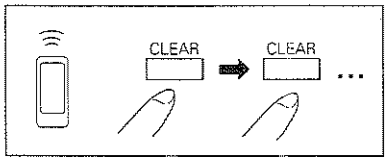
Ⓑ :



Ⓐ During stop mode, press ■.

Ⓑ When the magazine is ejected, the program contents of the ejected magazine will be cleared.

To erase a program

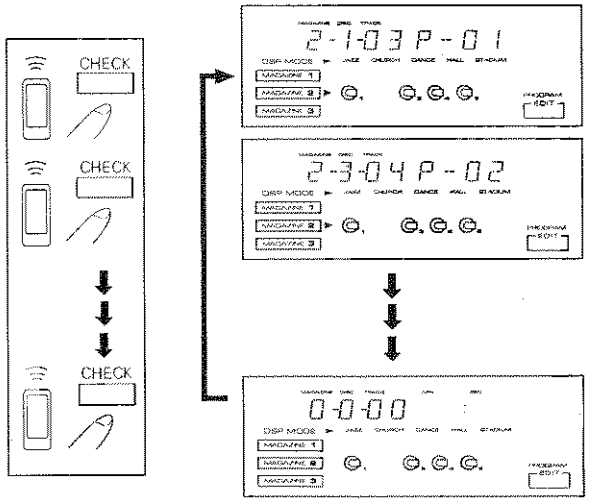


During program mode, press CLEAR.
The last program step is erased and the contents of the previous program step are displayed.

NOTE:

Contents of a program can be erased during playback as well. However, tracks preceding the currently playing track cannot be erased in this way.

To check the program contents

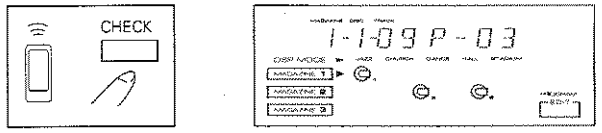


During program mode, set the player to stop mode and press CHECK. The program contents will be displayed in the programmed order.

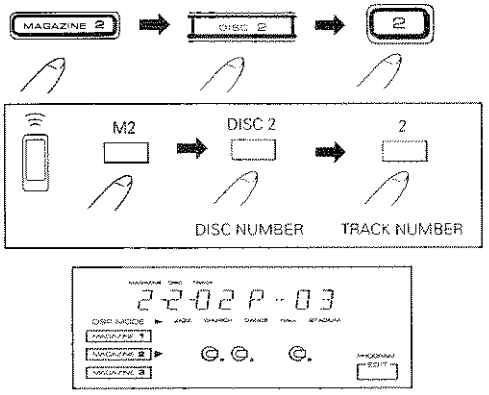
- After confirming the last program step, the display will show "0-0-00 : ".

To modify the program contents

1

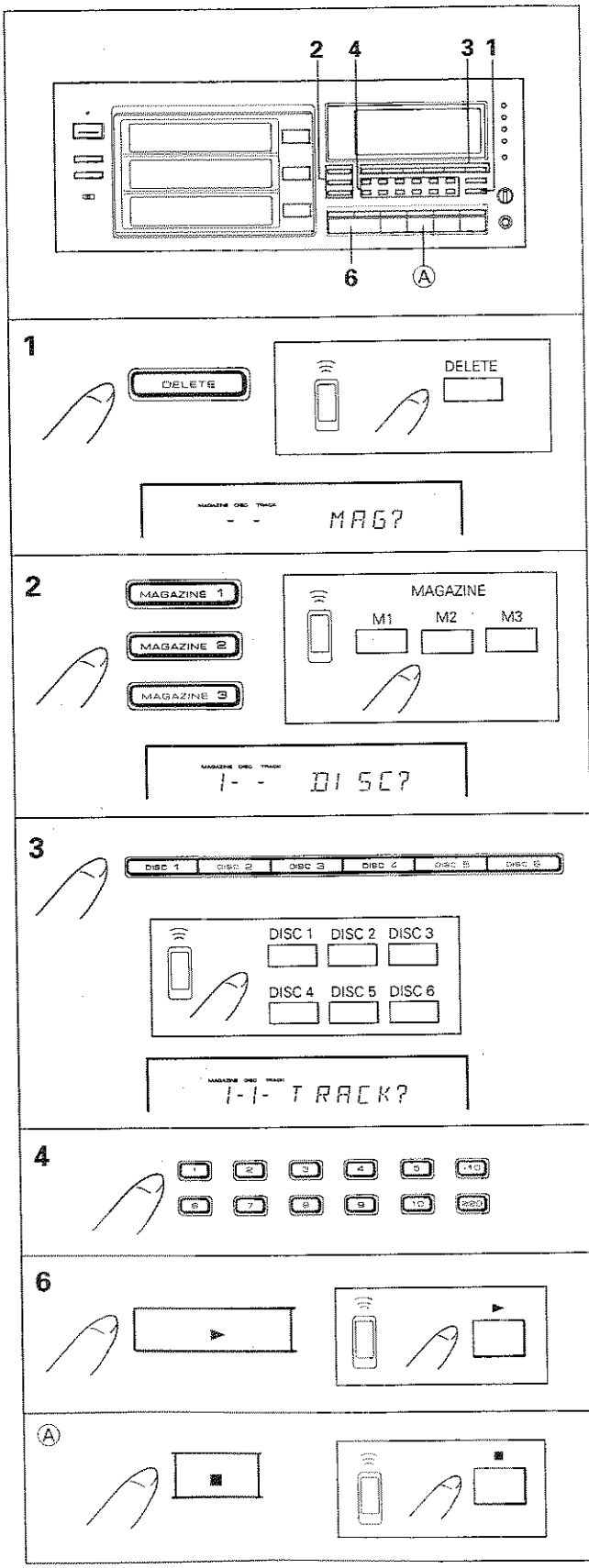


2



1. During program mode, set the player to stop mode and press CHECK so that the program step to be corrected appears on the display.
2. To correct the magazine No., enter the new magazine No. with MAGAZINE. To correct the disc No., enter the new disc No. with the DISC number buttons. To correct the track No., enter the new track No. with the Digit buttons. For example, the programmed track No. 9 on the disc No. 1 in the magazine No. 1 is changed to track No. 2 on the disc No. 2 in the magazine No. 2, using MAGAZINE 2, DISC 2 and digit button 2.

- Repeat steps 1 and 2 to change other tracks as desired.
- To change the track No. with ⏮◀◀ ◀◀ or ▶▶ ▶▶⏭, be sure to press PROGRAM. About 2 seconds have passed since ⏮◀◀ ◀◀ or ▶▶ ▶▶⏭ is pressed, the track No. to be changed is automatically entered.



Delete program playback - To delete undesired tracks/discs

1 **During stop mode, press DELETE.**
- The DELETE indicator lights, and "MAG ?" (Magazine) appears on the display.

2 **Press MAGAZINE which contains the disc to be deleted.**
- When MAGAZINE is pressed, "DISC ?" appears on the display.

3 **Press the DISC number button which contains the track to be deleted.**
To delete entire discs, enter the desired disc numbers with the DISC number buttons and go to step 5.
- When the DISC number button is pressed, "AL" (all tracks) appears on the display. Then, "TRACK ?" is displayed.

4 **Enter the track No. to be deleted with the Digit buttons.**
When the track No. is selected with ⏮ ◀◀ or ▶▶ ⏭, be sure to press DELETE. About 2 seconds have passed since ⏮ ◀◀ or ▶▶ ⏭ is pressed, the track No. to be deleted is automatically entered.

5 **Repeat steps 2 through 4 to delete other tracks.**

6 **Press ▶.**
All tracks other than deleted tracks/discs are played in the order of the disc and track numbers. When tracks have been played, the player enters stop mode.

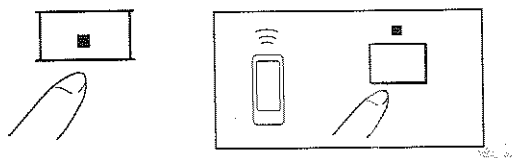
Ⓐ **To stop Delete program playback, press ■.**

- To enter track No. 11 or above with the Digit buttons, see the "Track Search" on page 13.
- Track No. 33 or above cannot be deleted.
- To go to the previous or next disc/track other than the deleted disc/track, press ⏮ ◀◀ or ▶▶ ⏭.
- MAGAZINE, the DISC number button or Digit buttons can be used to play the disc or track other than the deleted magazine, disc or track.
- If the magazine is in the player, the program contents will not be erased even if the power is turned off.

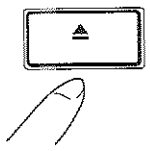
NOTE:
After programming for Program playback or during Program playback mode, Delete programming can not be carried out.

To clear all of the delete program contents

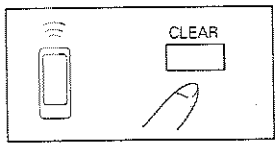
Ⓐ :



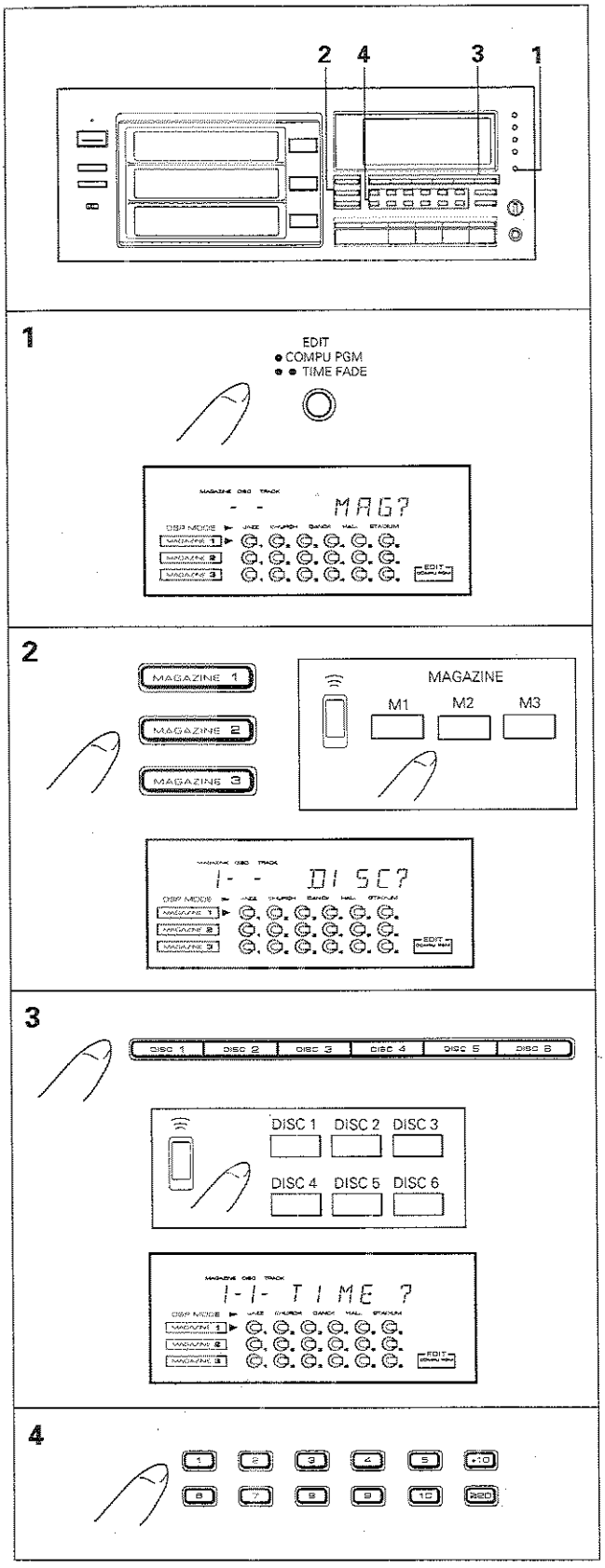
Ⓑ :



Ⓒ :



Ⓐ During stop mode, press ■.
Ⓑ When the magazine is ejected, the program contents of the ejected magazine will be cleared.
Ⓒ Press CLEAR during stop mode or play mode. When CLEAR is pressed during Delete Program playback mode, the player enters normal playback mode.



Compu program editing (Computer allocated program editing)

Tracks are selected for both sides of the tape.

1 **During stop mode, press EDIT once.**
- "COMPU" and then "MAG?" (magazine) appears on the display.

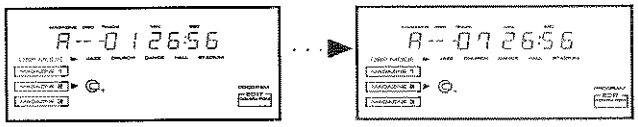
2 **Press MAGAZINE which contains the disc to be programmed.**
- "DISC ?" appears on the display.
- When the single-disc magazine is selected, "TIME?" appears on the display.

3 **Select the disc No. with the DISC number button.**
- "TIME ?" appears on the display.

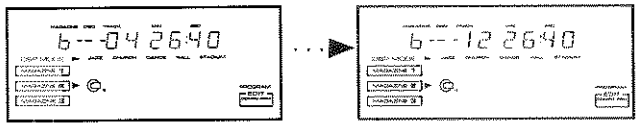
4 **Enter the tape playing time in minutes with digit buttons (1 – 10).**
Press the 10's digit button and 1's digit button sequentially. (To enter 9 minutes or less, press 10 and then the corresponding digit button.) For example, to enter 54 minutes, press 5 and 4 sequentially.
The displayed time is memorized. The player now programs the tracks for the first side of the tape within half the selected playing time, programs a pause, and then programs the tracks for the second side of the tape within half the selected playing time. After the programming is completed, the display shows all of the programmed tracks and their playing time in the programmed order.

Example: The tape playing time 54 minutes is selected.
- The programmed contents are displayed in the programmed order.

Side A



Side B



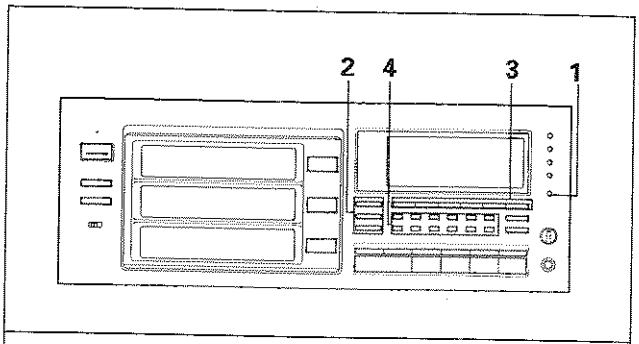
- Instead of the digit buttons, ⏮ ◀◀ or ▶▶ ⏭ can be used to select the tape playing time. Each time ▶▶ ⏭ is pressed, the time will be changed in the following sequence:

46 → 54 → 60 → 90 → 74 → (minutes).

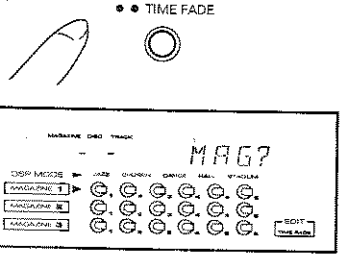
When the tape playing time is selected with ⏮ ◀◀ or ▶▶ ⏭, be sure to press EDIT. About 3 seconds have passed since ⏮ ◀◀ or ▶▶ ⏭ is pressed, the time is automatically entered.

NOTES:
- *Up to 24 steps can be programmed.*
- *With discs containing 24 tracks or more, programming may not be correctly performed.*
- *If the selected time is too short for any track to be programmed, programming cannot be performed.*
- *If you wish to enter the time with the digit buttons after the time is already entered with ⏮ ◀◀ or ▶▶ ⏭ in step 4, press +10, >10 or ≧20. The digit buttons can now be operated.*
- *Compu program editing can be carried out on one disc only.*
- *The contents of the Compu program edit is not cleared even when the power is turned off.*
- *When the program procedure (or delete program procedure) has been performed, Compu program editing cannot be carried out.*

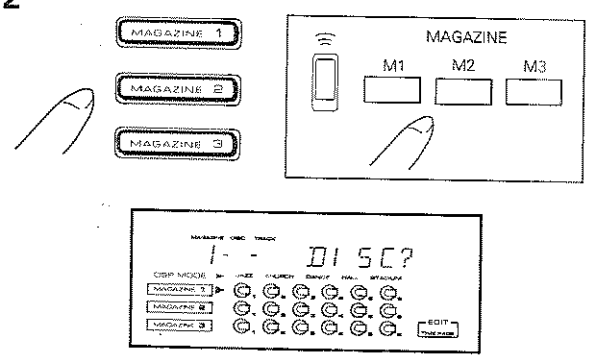
Continue



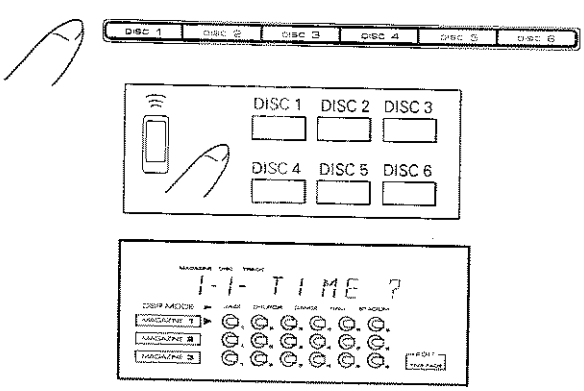
1



2



3



4

Time fade editing

Tracks are selected within the specified time and playback pauses with a fade-out.

1 During stop mode, press EDIT twice.
- "FADE" and then "MAG?" (magazine) appears on the display.

2 Select the magazine with the MAGAZINE button.
- "DISC ?" appears on the display.
- When the single-disc magazine is selected, "TIME?" appears on the display.

3 Select the disc No. with the DISC number button.
- "TIME ?" appears on the display.

4 Enter the playing time in minutes with digit buttons (1 – 10).

Press the 10's digit button and 1's digit button sequentially. (To enter 9 minutes or less, press 10 and then the corresponding digit button.) For example, to enter 23 minutes, press 2 and 3 sequentially.

The displayed time is memorized. The player programs the tracks within the selected playing time.

- Instead of the digit buttons, ⏮ ◀◀ or ▶▶ ⏭ can be used to select the tape playing time. Each time ▶▶ ⏭ is pressed, the time will be changed in the following sequence:

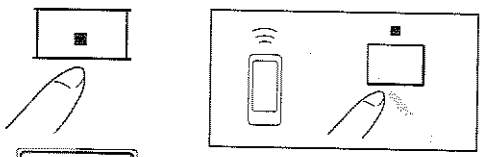
→ 23 → 27 → 30 →
← 45 ← 37 ← (minutes).

When the tape playing time is selected with ⏮ ◀◀ or ▶▶ ⏭, be sure to press EDIT. About 3 seconds have passed since ⏮ ◀◀ or ▶▶ ⏭ is pressed, the time is automatically entered.

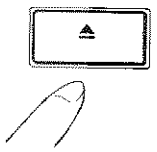
NOTES:
- *If Random playback, Track Search or Disc Search is done during Time Fade Editing play, Time Fade Editing will be cleared.*
- *During Time Fade operation, programming for Program Playback/Delete Program Playback cannot be carried out.*
- *If you wish to enter the time with the digit buttons after the time is already entered with ⏮ ◀◀ or ▶▶ ⏭ in step 4, press +10, >10 or ≥20. The digit buttons can now be operated.*
- *Time fade editing can be carried out on one disc only.*
- *The time fade contents are not cleared even when the power is turned off.*

To clear the time fade contents

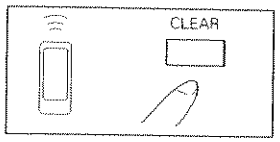
Ⓐ :



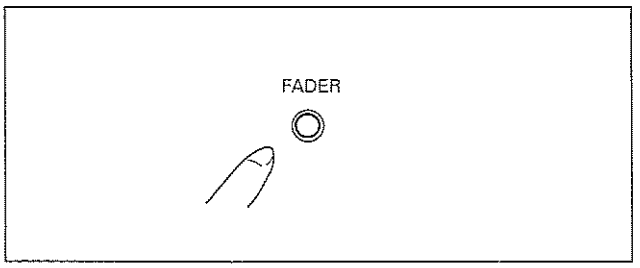
Ⓑ :



Ⓒ :



Ⓐ During stop mode, press ■.
Ⓑ When the magazine is ejected, the Time Fade contents will be cleared.
Ⓒ Press CLEAR during stop mode or play mode. When CLEAR is pressed during Time Fade playback mode, the player enters normal playback mode.



One-touch fade

Playback can be started from the desired point with a fade-in and stopped at the desired point with a fade-out.

- The One-touch Fade function can be carried out in Normal playback, Program playback/Delete Program playback, or Random playback mode.
  Set the player to the desired playback mode, and then perform the following procedure.

Ⓐ In the pause mode, press FADER. Playback starts with a fade-in and the FADER indicator flashes.

Ⓑ During playback, press FADER. Playback pauses with a fade-out and the FADER indicator flashes.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.
If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Magazine is not expelled when the EJECT button is pressed.	• Power plug is disconnected from outlet.	• Connect plug to amplifier or wall outlet.
When playback is started, it stops immediately. Pauses or stops during playback.	• Disc is loaded upside down. • Smudges, etc., on the disc.	• Load the disc correctly with the label side DOWN. • Clean the smudges from the disc and then play it again.
No sound	• Output cable is connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Pin plugs and/or amplifier terminals are dirty. • Player is in pause mode.	• Connect properly. • Check the settings of amplifier switches and sound volume controls. • Clean away dirt. • Press ⏸ or ▶.
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs and/or amplifier terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier's AUX or CD terminals. Do not connect to PHONO terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc has bad scratch or warp. • Disc is extremely dirty.	• Replace the disc. • Clean disc.
The picture of the TV screen is fluctuating or FM broadcast has noise interference.	• Interference is being picked up from the CD player.	• Turn off POWER of the player, or move the player away from TV or tuner.
Remote control will not function.	• Dead batteries. • Too far from player or wrong angle. • Obstruction between player and remote control unit.	• Replace batteries. • The distance between remote control unit and player should be no more than about 7 meters (23 feet). The operational angle against the front panel is within 30° from right or left end of player. • Relocate remote control unit or remove obstruction.

Abnormal functioning of this unit may be caused by lightning, static electricity, or other external interference. To restore normal operation, turn the power off and then on again, or unplug the AC power cord and then plug it in again.

SPECIFICATIONS

1. General

Type ..... Compact disc digital audio system
Power requirements
European models ..... AC 220 - 230 V, 50/60 Hz
U.K., Australian models ..... AC 230 - 240 V, 50/60 Hz
U.S., Canadian models ..... AC 120 V, 60 Hz
Other models ..... AC 110/120 - 127/220/240V (switchable) 50/60 Hz
Power consumption ..... 14 W
Operating temperature ..... +5°C - +35°C (+41°F - +95°F)
Weight ..... 6.5 kg (14 lb 5 oz)
External dimensions ..... 420(W) X 342(D) X 174.5(H) mm 16-9/16(W) X13-7/16(D) X 6-15/16(H) in

2. Audio section

Frequency response ..... 2 Hz - 20 kHz
S/N ratio ..... 102 dB or more (EIAJ)
Dynamic range ..... 96 dB or more (EIAJ)
Channel separation ..... 96 dB or more (EIAJ)
Harmonic distortion ..... 0.003 % or less (EIAJ)
Output voltage ..... 2.0 V
Wow and flutter ..... less than ±0.001% (W.PEAK) (below measurable level) (EIAJ)
Channels ..... 2-channel (stereo)

3. Output terminal

Audio line output
Headphone jack with volume control
Control input/output jacks (Canadian model only)
CD-DECK SYNCHRO jack

4. Functions

Number of discs to be stored - maximum 18.

Basic Operation Buttons
- PLAY, PAUSE, STOP

Search Function
- Magazine Search
- Disc Search
- Track Search
- Manual Search

Programming
- Maximum 48 steps
- Pause
- Program Check/Correction (remote control unit)
- Program Clear (single track or all tracks)
- Delete Play

Repeat Functions
- 1 Track Repeat
- All Discs Repeat

Switching Display
Time consumed, remaining time (track/disc), and total time

Timer Start

ADLC
Automatic Digital Level Controller

Digital Level Controller
Volume control can be done.

DSP (Digital Signal Processor) function

One-touch Fade
Fade-in and fade-out possible.

Compu Program Editing
Selects the tracks for both sides of the tape within the specified time.

Time Fade Editing
Selects the tracks within the specified time. Playback stops with a fade-out.

Magazine Hi-Lite Scan (repeat also available)
- DISC SCAN
- TRACK SCAN

Power On/Off (remote control unit)

Automatic Power On Function

Power Down Eject Function

5. Display

FL Tube Display

- PLAY indicator
- PAUSE indicator
- FADER indicator
- DISC SCAN indicator
- Elapsed Time Display (min, sec)
- Remaining Time (track/disc) Display
- Total Time Display
- Magazine Number, Disc Number, Track Number
- Program Step Number
- Program Indicator
- Repeat Indicator
- Random Play Indicator
- ATT Level Display
- Time Fade Editing Indicator
- Compu Program Editing Indicator
- Delete Indicator
- Disc Symbol Indicators
- ADLC indicator
- DSP MODE indicator

6. Accessories

- Remote control unit 1
- AAA/R03 dry cell batteries 2
- 6-Compact Disc Magazine 3
- Single-compact-disc magazine (for multi-voltage and Australian models) 1
- Output cable 1
- Control cable (Canadian model only) 1
- Operating instructions 1

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.

The Magazine Type Multi-Play CD Players with mark and the Magazines with the same mark are compatible for 5-inch (12cm) discs.

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